

APPLIANCE MECHANIC JOURNEYPERSON

PURPOSE: Perform skilled diagnostic and service work on gas-fired equipment, and perform general water and gas service.

FUNCTIONAL AREAS:

1. Perform skilled diagnostic and service work on gas-fired equipment.

- *A. Inspect, diagnose, maintain, repair, install, and adjust gas-fired equipment and appliances in accordance with all applicable codes and ordinances.
- *B. Inspect diagnose, maintain, repair, install, and adjust electrical or electronic motors and controls, including electronic ignition devices in accordance with all applicable codes and ordinances.
- *C. Inspect, diagnose, maintain, repair, install, and adjust mechanical items and controls, such as mechanical safeties on gas or hot water, motor bearings, zone valves, etc.
- *D. Conduct various approved tests in order to adjust, repair, or replace equipment to ensure safe and efficient operation.
- *E. Inspect, diagnose, maintain, repair , install, and adjust plumbing on gas-fired equipment in accordance with all applicable codes and ordinances.

2. Perform general water and gas service work.

- *A. Diagnose and repair leaks in water and gas lines.
- *B. Inspect, diagnose, maintain, repair, install, and adjust gas regulators and meters.
- *C. Perform bleeding procedures on water and gas lines.
- *D. Maintain tools and equipment in a safe and proper working condition.
- *E. Operate service vehicle.
- *F. Perform conversions of gas-fired equipment between LP (propane) and natural gas.
- *G. Investigate and determine cause(s) of unusually high or low water and gas bills.
- *H. Provide information on gas-fired equipment and courteous service to customers.
- *I. Prepare appropriate reports.
- *J. Attend required training sessions.
- *K. Perform installation and removals of water meters, gas meters, regulators and reliefs.

MINIMUM QUALIFICATIONS:

1. Education and Experience

- **A. Ability to transport oneself and the equipment, tools, supplies, and parts used in the work to and from service sites. This can be demonstrated by the possession of a valid Minnesota Driver's License or equivalent.
- **B. Certification by the Joint Apprenticeship Training Committee upon completion of the Appliance Mechanic Apprenticeship program; promotion to the classification of Appliance Mechanic Journey person shall be effective upon such certification.

2. Knowledge and Skill Requirements

- **A. Knowledge of the principles, method, equipment, and materials used in water and gas utility service work, gas venting, and gas plumbing repairs.

- **B. Knowledge of usability testing of water and gas lines.
- **C. Knowledge of applicable safety precautions and safe work methods.
- **D. Basic knowledge of State and City codes for plumbing, wiring, and venting.
- **E. Skill in diagnosing and repairing water and gas service problems.
- **F. Skill in using hand and power tools.

3. Ability Requirements

- **A. Ability to obtain knowledge of the principles, methods, equipment, and materials used in gas equipment repair.
- **B. Ability to read schematic drawings.
- **C. Ability to diagnose electrical and mechanical malfunctions.
- **D. Ability to operate motorized equipment.
- **E. Ability to instruct and supervise subordinate employees.
- **F. Ability to develop and maintain effective working relationships with co-workers and the public.
- **G. Ability to work outside year-round.
- **H. Ability to work from ladders and scaffolds.
- **I. Ability to routinely lift and carry items such as burners, vacuum cleaners and toolboxes weighing up to 25 pounds. Employees assigned to the Meter Shop routinely lift and carry items such as two inch water meters weighing up to 45 pounds and occasionally lift and carry with assistance large meters weighing up to 100 pounds.
- **J. Ability to use hand and power tools such as 24" pipe wrench, 3/8" hammer drill, cut-off saw, etc.
- **K. Ability to read and interpret tools such as electronic multimeter, ruler, pipe locator, etc.
- **M. Ability to attend work on a regular basis.

4. Other Requirements

- **A. Will be subject to periodic random drug testing as required by the U.S. Department of Transportation, Pipeline Safety regulations, part 199.

*Essential functions of the classification.

**Job requirements necessary on the first day of employment

Anlst: KG	Date: 20050516
Union: Basic	Pay: 30
CSB: 20050705	Class: 4238
CC: 20050725	Res: 05-0491R